

# LINEAR 5 MK II 308 LTA

## THE COMPACT LONG THROW SYSTEM

### Active horn-loaded mid/high unit

Part number 1007942

LINEAR 5 MK II 308 LTA is a highly efficient, modular, scalable and economical sound reinforcement tool for large, long and wide rooms as well as open airs. The LINEAR 5 MK II 308 LTA long-throw mid/high unit closes the gap between the classic point source PA and the line array, in the form of a compact, horn-loaded speaker cabinet.

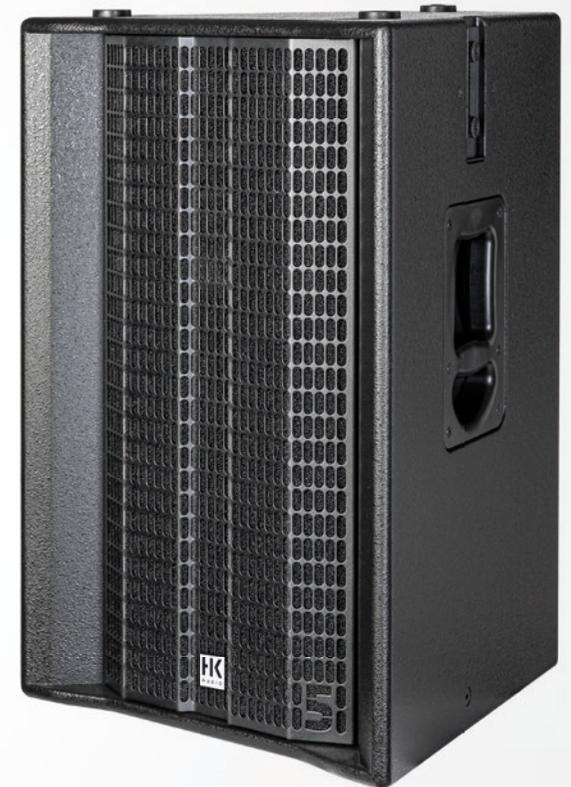
The Multicell Transformer (MCT) of the 308 LTA provides enormous throw distances in a compact design. Up to 40 metres and up to 3000 people can be covered in a balanced and powerful way without having to use delay lines. With the flexible accessories, the systems can be used groundstacked or flown, as cluster, headstack or headstack cluster. In this way, the system grows with the requirements.

Precise sound tuning is possible with the network-controllable, state-of-the-art high-performance DSP with FIR filtering. The required HK Audio DSP CONTROL software is available free of charge. Even without software, the 308 LTA can be configured extensively and easily using presets that can be selected directly on the loudspeaker. With the DSP-Out, active speakers without their own DSP or LINEAR 5 LTS A can be integrated into the system.

PowerCon connections with PowerCon Link simplify cabling and save cable material. For example, a flown headstack cluster can be operated with only one power supply line.

### Features:

- High-SPL HF-Driver with Multicell Transformer (MCT) for long throw-distances
- Optimum dispersion for flexible clustering and headstacking
- High impulse fidelity, detailed resolution and more usable sound pressure in comparatively compact dimensions
- Modern high-performance DSP with FIR filtering and integrated presets selectable directly at the loudspeaker
- Precise and comprehensive sound tuning with HK Audio DSP CONTROL software for Mac and PC
- DSP-Out for integration of non-DSP speakers. Also, for combination with LINEAR 5 LTS A models.
- SMART CONNECTION with PowerCon and EtherCon, each with link
- Protection of electronics with RCS Rain-Cover-Set included in the scope of delivery
- Robust, moisture-resistant and durable birch multiplex cabinet
- Made in St. Wendel, Germany



# LINEAR 5 MK II 308 LTA



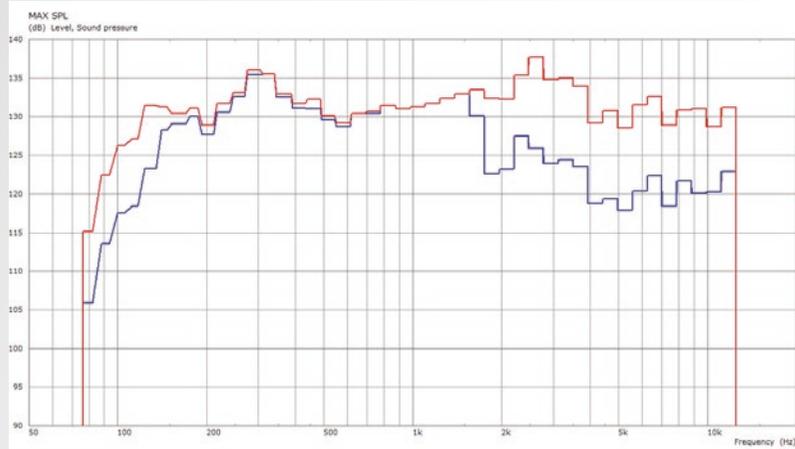
## Technical data

Max. SPL @ 10 % THD	133 dB half space (100 Hz - 12 kHz averaged)
Max. SPL peak @ 10 % THD	138 dB half space
Frequency response +/-3 dB	105 Hz - 17 kHz
Frequency response -10 dB	98 Hz - 19 kHz
Power amp output (rms/peak)	600 / 1,200 W
Amp type	Class D - biamped
LF driver	-
Low-/mid speaker	3x 8", 1.5" voice coil
HF driver	1" Compression driver, 1.7" voice coil
Horn directivity	60° x +5/-25° MCT horn
Active crossover frequency	1.6 kHz FIR X-over with 60 dB/oct.
Maximum input level	+20 dBu
Analog inputs	1x XLR combo balanced
Analog thru	1x XLR balanced
DSP Out	1x XLR balanced
Network port	Ethercon RJ45, 1x In , 1x Thru
Filter presets	Single, Cluster, Headstack, Remote
Remote software	DSP CONTROL (Windows, Mac OS)
DSP functions	Fully parametric 10-band EQ with variable filter characteristics, High-Pass Filter, Low-Pass Filter, Polarity, Level, Delay, Limiter, Mute
Sample rate	48 kHz
System latency	<= 2.9 ms
Mains connector	1x Powercon NAC3 In, 1x Powercon NAC3 Thru, 100-240 V
Power consumption	1 A / 100-240 V nominal according to EN 62368-1
Pole mount	MonoTilt 0°
Rigging points	5x M8 (AP-8)
Carrying handles	2x HK Audio MultiGrip
Housing	Birch multiplex
Finish	Black acrylic enamel
Front grille	2 mm metal grille backed with black acoustic foam
Dimensions (WxHxD)	44 x 68 x 46 cm    17-21/64 x 26-49/64 x 189-7/64"
Weight	25 kg / 55,1 lbs

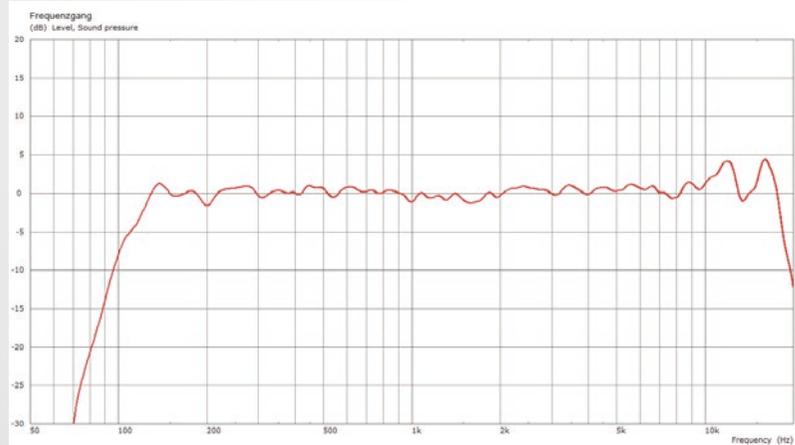


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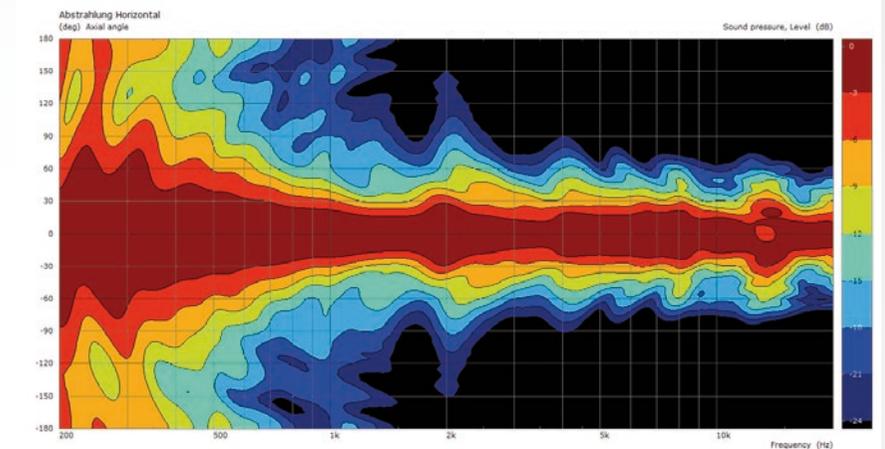
## Measurement data



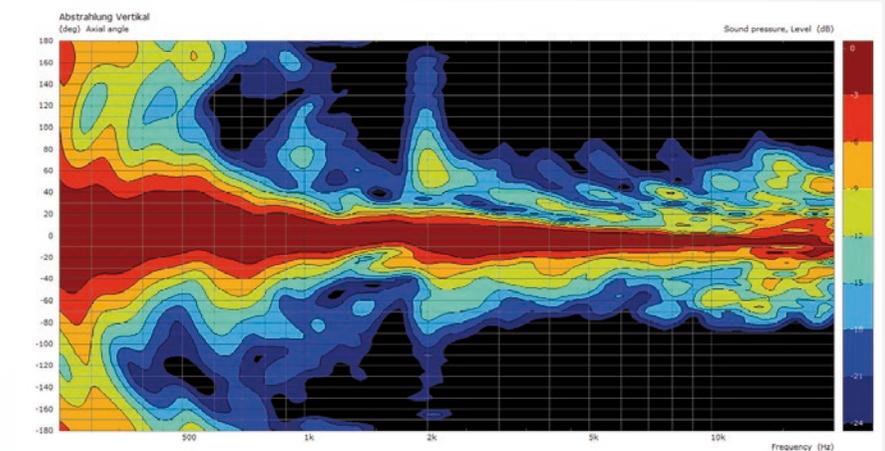
Max. SPL  
(blue= 3% THD, red= 10% THD)



Frequency response



Horizontal directivity



Vertical directivity

# LINEAR 5 MK II 308 LTA



## Accessories



### TB-45NQ

Part number 1007779

The TB-45NQ is a tilt bracket with quick release pins for mounting the LINEAR 5 MK II 308 LTA on truss rods, ceilings, wall brackets, beams and on tripods. Flexible vertical and horizontal alignment is possible. This variant is recommended for mobile use.

WLL: 70 kg / according to DGUV-V 17: 35 kg  
Items delivered: 2 pcs.



### TB-45N

Part number 1007778

The TB-45N is a tilt bracket for mounting the LINEAR 5 MK II 308 LTA on truss rods, ceilings, wall brackets, beams and on tripods. Flexible vertical and horizontal alignment is possible. This variant is recommended for installations.

WLL: 70 kg / according to DGUV-V 17: 35 kg  
Items delivered: 2 pcs.



### TB-HES Headstack Extension Set

Part number 1007524

The Headstack Extension Set is the extension of the TB-45N or TB-45NQ to accommodate a LINEAR 5 MK II 308 LTA headstack at the correct centre of gravity and tilt point. The TB-HES extends the sides of the TB-45 and connects to the headstack at the free screw points of the sliding plates of the LINEAR 5 MK II 308 LTA speakers.

Items delivered: Set for two tilt brackets



### Mounting pole with crank

Part number 1007526

Stable K&M mounting pole with convenient height adjustment by hand crank and ring lock to lock the speaker.



### PP-CP Pick Point - Cluster Plate

Part number 1007525

The Pick Point (PP) and the Cluster Plate (CP) provide either two or three attachment points for rigging and angling the LINEAR 5 MK II 308 LTA. The following configurations can be built and rigged with just one set of the PP-CP. 2 x single use, 2 x headstack, 2 x cluster or 2 x headstack cluster. The PP-CP set is therefore a highly universal accessory and offers an unbeatable price/performance ratio.

Items delivered: 2 PP and 2 CP



### DFP double flange plate

Part number 1007530

The double flange plate is recommended when a cluster is to be stacked on a LINEAR 5 MK II 118 Sub HPA with mounting poles. This allows the cluster to be easily adjusted to the desired height with two mounting poles and aligned accordingly.

The double flange plate is attached to the flange of the LINEAR 5 MK II 118 Sub HPA with an M20 screw. It has two M20 mounts for two mounting poles or two Tilt-Units, for example. The correct angle of the horizontal cluster (approximately 30° opening angle or approximately 24 cm distance of the side wall at the front) is achieved by screwing the back of the 308 LTA onto the mounting poles or Tilt-Units. In addition, the DFP can be rotated on the subwoofer to align the cluster accordingly. Items delivered: 2 pcs.

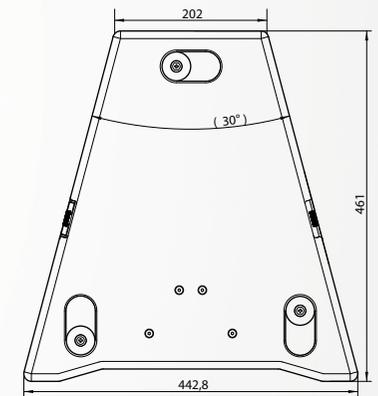
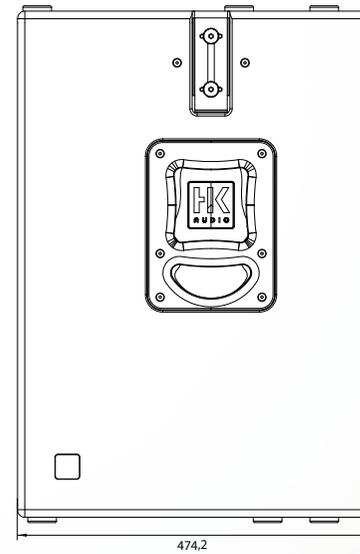
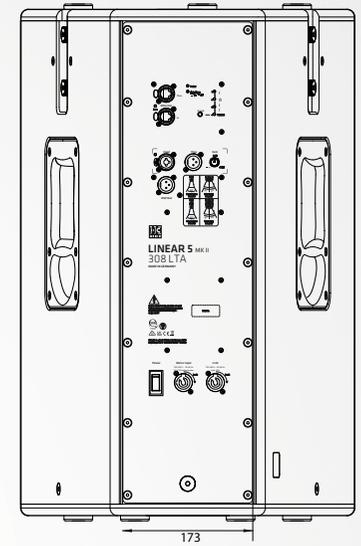
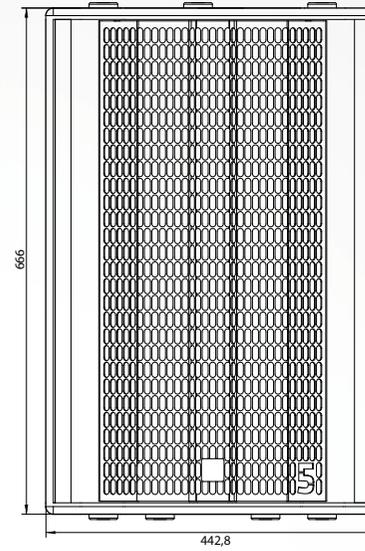


### Protective Cover LINEAR 5 MK II 308 LTA

Part number 1008180

Padded protective transport cover for the 308 LTA or LTS / A. It protects the cabinet during transport and can be removed when the speaker is in operation.

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Simulation and CAD files, certificates and much more can be found at [www.hkaudio.com](http://www.hkaudio.com)

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